

# Shreyas Patil

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## EDUCATION

### George Mason University

Master's in Computer Science, GPA: 3.53

Fairfax, Virginia

August 2022 - May 2024

### University of Mumbai

Bachelor's in Computer Engineering, GPA: 3.61

Navi Mumbai, India

August 2018 - May 2022

## SKILLS

**Languages:** Python, HTML, CSS, JavaScript, TypeScript

**Frameworks:** React.js, Next.js, Node.js, Express.js, Vitest, Flask

**Databases:** MongoDB, MySQL, PostgreSQL

**Libraries:** Bootstrap, Tailwind CSS, MaterialUI, Shadcn, DaisyUI, Socket.IO

**Tools and Platforms:** Git, GitHub, Figma, Vite, Postman

## WORK EXPERIENCE

### DreamStudio | Front-End Developer | Atlanta, Georgia

August 2024 - Present

- Created responsive, user-friendly websites by adding new features and optimizing existing code to ensure seamless and consistent user experiences across all devices.
- Optimized SEO performance by implementing best practices, enhancing site speed, and boosting user engagement.
- Collaborated with cross-functional teams, including designers and backend developers, to translate complex business requirements into intuitive user interfaces.
- Leveraged React.js, SASS, HTML, CSS, and JavaScript to deliver visually appealing web solutions, while managing version control with Git to ensure seamless collaboration and efficient team workflows.

### DataAnnotation | Software Validation - AI Trainer | Fairfax, Virginia

December 2024 - Present

- Leveraged Reinforcement Learning from Human Feedback (RLHF) to train machine learning models while ensuring adherence to legal and ethical standards, including safety and truthfulness.
- Conducted high-quality data labeling and annotated text, image, video, and audio data, adapting to evolving project requirements and tools.
- Reviewed GitHub commits to analyze code changes, utilized Python for data visualization, and trained AI model to execute API calls.
- Performed prompt engineering and quality assurance for analysts' work, contributing to improving AI systems.

## PROJECTS

### ChatMate | React.js, Express.js, Node.js, Zustand, Shadcn, Tailwind CSS, Socket.IO

- Built a feature-rich chat application allowing real-time messaging and communication between users, leveraging Socket.IO for smooth, bi-directional data flow.
- Utilized Express.js and Node.js for the backend, creating robust API endpoints to handle user authentication, file transfer, message storage, and real-time chat functionalities.
- Ensured real-time updates and message synchronization, allowing users to communicate instantly, storing and retrieving data efficiently.

### Connect Four Game | React.js, Node.js, MaterialUI, MongoDB

- Developed a full-stack Connect Four game in React with secure authentication and CRUD operations in the database for different functionalities.
- Implemented PBKDF2 algorithm with HMAC\_SHA256 to enhance security, utilizing unique salt and slow hashing for data protection.

### Amusement Park Website | Node.js, Express.js, MongoDB, Bootstrap

- Developed a fully responsive website for an amusement park, utilizing the MVC architecture to separate concerns and streamline development.
- Designed and implemented a secure login and signup system integrated with MongoDB.
- Applied unit testing with Jest to verify the functionality of individual components and integration testing with Selenium to ensure seamless interactions across the entire system.

### Fake News Detection | Python, NLTK, Flask

- Developed a robust Flask-based fake news detection model processing a dataset of 70,640 news articles.
- Performed data preprocessing, extraction, cleaning, and exploratory data analysis on the news dataset, to ensure reliable results.
- Employed various machine learning algorithms, achieving accuracy rates ranging from 87.04% to 83%.